

PATENT COOPERATION TREATY

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PATRADE A/S

From the
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

PCT

NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL PRELIMINARY EXAMINATION REPORT (PCT Rule 71.1)

To: PATRADE AS Store Torv 1 DK-8000 Aarhus C DANEMARK
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Date of mailing (day/month/year)	11.12.2003
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Applicant's or agent's file reference P10170PCDK

IMPORTANT NOTIFICATION

International application No. PCT/DK02/00598	International filing date (day/month/year) 13.09.2002	Priority date (day/month/year) 13.09.2001
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Applicant KIRKEGAARD, Per et al.

1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.
4. **REMINDER**

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

The applicant's attention is drawn to Article 33(5), which provides that the criteria of novelty, inventive step and industrial applicability described in Article 33(2) to (4) merely serve the purposes of international preliminary examination and that "any Contracting State may apply additional or different criteria for the purposes of deciding whether, in that State, the claimed inventions is patentable or not" (see also Article 27(5)). Such additional criteria may relate, for example, to exemptions from patentability, requirements for enabling disclosure, clarity and support for the claims.



Name and mailing address of the international preliminary examining authority: <div style="display: flex; align-items: center;"> <div> European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465 </div> </div>	Authorized Officer Salaün, M Tel. +49 89 2399-2126
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PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT (PCT Article 36 and Rule 70)

Applicant's or agent's file reference P10170PCDK		FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/PEA/416)	
International application No. PCT/DK0200598	International filing date (day/month/year) 13.09.2002	Priority date (day/month/year) 13.09.2001	
International Patent Classification (IPC) or both national classification and IPC A45C11/00			
Applicant KIRKEGAARD, Per et al.			
<p>1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of 4 sheets, including this cover sheet.</p> <p><input checked="" type="checkbox"/> This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).</p> <p>These annexes consist of a total of 8 sheets.</p>			
<p>3. This report contains indications relating to the following items:</p> <p>I <input checked="" type="checkbox"/> Basis of the opinion</p> <p>II <input type="checkbox"/> Priority</p> <p>III <input type="checkbox"/> Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</p> <p>IV <input type="checkbox"/> Lack of unity of invention</p> <p>V <input checked="" type="checkbox"/> Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</p> <p>VI <input type="checkbox"/> Certain documents cited</p> <p>VII <input type="checkbox"/> Certain defects in the international application</p> <p>VIII <input type="checkbox"/> Certain observations on the international application</p>			
Date of submission of the demand 07.04.2003		Date of completion of this report 11.12.2003	
Name and mailing address of the International preliminary examining authority:  European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465		Authorized Officer Lucchesi-Palli, C Telephone No. +49 89 2399-2093 	

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT**

International application No. **PCT/DK02/00598**

I. Basis of the report

1. With regard to the elements of the international application (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17):*

Description, Pages

1-7 received on 13.11.2003 with letter of 11.11.2003

Claims, Numbers

1-4 received on 13.11.2003 with letter of 11.11.2003

Drawings, Sheets

1/2, 2/2 as published

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- ☐ the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
☐ the language of publication of the international application (under Rule 48.3(b)).
☐ the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
☐ filed together with the international application in computer readable form.
☐ furnished subsequently to this Authority in written form.
☐ furnished subsequently to this Authority in computer readable form.
☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

- ☐ the description, pages:
☐ the claims, Nos.:
☐ the drawings, sheets:

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**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT**

International application No. **PCT/DK02/00598**

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)).

(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

6. Additional observations, if necessary:

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Yes: Claims	1 - 4
	No: Claims	
Inventive step (IS)	Yes: Claims	1 - 4
	No: Claims	
Industrial applicability (IA)	Yes: Claims	1 - 4
	No: Claims	

2. Citations and explanations

see separate sheet

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**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT - SEPARATE SHEET**

International application No. PCT/DK02/00598

ad section V:

1. Novelty:

Claims 1 to 4 meet the requirements of article 33(2) PCT:

None of documents cited in the search report disclose a device suitable for removing a tick as claimed in claims 1 to 4.

2. Inventive step:

Claims 1 to 4 meet the requirements of article 33(3) PCT:

The problem to be solved by the present application is to propose a simple device for removing ticks or blood sucking insects which is adapted to be kept in a bag.

The man skilled in the art does not receive any teaching from the cited prior art on how this problem can be easily solved. As the device is made of a stiff material provided with the claimed finger one gets hold of the tick and the removal of the insect is facilitated.

3. The industrial applicability of the claimed subject matter is evident in the field of parasite removal.

The description is not in conformity with the claims as required by Rule 5.1(a)(iii) PCT: this refers to the stated problem on page 1, lines 15 to 19, to the embodiment disclosed on page 2, lines 12 to 15 and the embodiments shown in figures 1 to 5, which are not anymore claimed and the respective description of these embodiments (Article 6 PCT).

A Device by way of example for personal hygiene

The present invention concerns a device, e.g. for personal hygiene, and of the kind indicated in the preamble of claim 1.

5 Arrangements of that kind are known by way of example as small disposable pack-
ings, most often in the form of tear-open bags of plastic or metal film containing a
folded wet tissue for cleaning hands and/or face. In connection with car wash in auto-
matic facilities on service stations it is also known that corresponding tear-open bags
of plastic or metal film containing prepared tissue for use in cleaning wax from the
10 windshield for the car are handed out. In some cases, a number of cohering tear-up
bags are handed out, which are intended to be separated by means of perforations, and
which may contain tissues prepared with different cleaning agents and possibly a dry
tissue for final wiping of the windshield of the car.

15 On this background, it is the purpose of the invention to provide a new and improved
device of the kind mentioned in the preamble, and which in a simple way makes it
possible for persons to carry with one or more devices with the intention of cleaning
hands or other body parts, e.g. armpits, and to apply deodorant or scenting agent on
said body parts.

20 The device according to the invention is characterised in that said device is made of a
relatively stiff material such as cardboard or plastic, and that said device in a corner
area is provided with a flexible finger, which at an outer end is provided with a slit or
narrowing for use in removing a tick or corresponding blood sucking insect, which has
25 bitten on to and bored its snout down into the skin of a person or an animal. The de-
vice according to the invention may be manufactured and distributed very cheaply as
the device may be partly financed by commercial advertisements due to the preferable
display surface.

Suitably, the device according to the invention is thus designed, that another corner area is also provided with a mainly acute angled slit or narrowing adapted for use in releasing a tick or a similar insect.

5 Preferably, the device according to the invention is thus designed so that the cleaning tissue preferably has a size which is greater than that of the carrier or reservoir.

Suitably, the device is further designed so that the cover films are provided with a corner or tongue section, which is not connected with the device, and which is intended
10 for use in pulling off the cover films.

It may be further advantageous that the device is made with a preferably transverse perforation extending between the tissue and the carrier or reservoir, respectively, and which are intended as aid for dividing the device into a part containing a covered tissue and a part containing a covered carrier or a covered reservoir, respectively.
15

Furthermore the device according to the invention may be such provided, that it on one side has two film covered fields, namely a field in which is laid a disinfecting tissue and a field in which is laid a plaster, and that said fields externally are covered by
20 means of one or more cover film pieces consisting of preferably easily removable (peel-able) plastic or metal film.

The invention is explained in the following in more detail in connection with the drawing, on which:
25

Fig. 1 shows an embodiment of a device according to the invention,

Fig. 2 shows further embodiment of a device according to the invention.

30 Fig. 3 shows an alternative embodiment of a device according to the invention,

Fig. 4 shows the front side of still an embodiment of a device according to the invention in the shape of a "Borreliacard" for use in releasing a tick,

Fig. 5 shows the back side of the "Borreliacard" shown in Fig. 4, and

5 Fig. 6 shows a preferred embodiment of a "Borreliacard" according to the invention.

The device 2 shown in Fig. 1 is sized as credit card, i.e. with a length of about 85 mm, width of about 54 mm and thickness of about 2 mm. On a side facing downward in the plane of the paper in Fig. 1, the device 2 has a display surface intended as advertising space that may contribute to financing the device so that it can be made cheap and attractive. On the upwardly facing side, the device is provided with hygienic articles in the shape of a preferably folded cleaning tissue 4 contained in the first, left field 5, which is externally covered by means of a film piece 6 connected with the device 2 along the circumference of the field 5. The cover film 6 is preferably easily removable (peelable). The cleaning tissue 4 is prepared with a cleaning agent and possibly an antiperspirant. A corner 7 of the cover film 6 is not connected with the device 2 so that it is easy to get hold on the film 6 for tearing this off so that access to the cleaning tissue is created.

20

A lesser, right field 8, also covered by means of a peelable cover film 9, contains a carrier, e.g. a pad 10, for a scenting agent, or is designed as a reservoir 11 containing a scenting agent.

25

The cover films 6 and 9 are mutually separated by means of a transverse perforation 12 which also makes it possible to break the device 2 into two parts, namely a part containing the cleaning tissue 4 and a part containing the said carrier, the pad 10, or the reservoir 11.

30

A modified embodiment of a device 14 according to the invention is shown in Fig. 2, where the largest, left field 15 contains a larger cleaning tissue (wet tissue) or possibly a moistened cleaning pad prepared with a cleaning agent, e.g. chlorhexidine, and pos-

sibly an antiperspirant. A lesser, right field 16 is shaped round. This field 16, which has a cover film with a tearing tongue 17, contains a scenting agent, as the field 16 either may be formed as a small reservoir or may contain a carrier for the scenting agent.

5

An alternative device 18 according to the invention including shaving accessories is shown in Fig. 3, where the device 18 at the top has a shaft part 20, which is adapted to be broken off along a perforation 21, and which then may be joined with a transverse, also breakable knife part 22, which is broken along a transverse perforation 23 including a notch 24 in which an end part 24 of the shaft part 20, which in advance has been adapted by breaking off an extreme end part 25, may be fastened. The device 18 also includes two fields 26 and 27 of which one field 26 contains shaving cream or gel, whereas the other field contains a carrier or a reservoir of after-shave lotion. Both fields 26 and 27 are covered by means of cover films 28 and 29, respectively, with a tongue part 30 for facilitating pulling off the cover films.

10
15

As mentioned, the device according to the invention preferably has a size corresponding to a credit card, i.e. designed with rounded corners with a length of about 85 mm, a width of about 54 mm and a total thickness less than 4 mm, preferably less than 2 mm.

20

For example, the device according to the invention may be thus designed that the folded cleaning tissue has a length/width of about 44 x 44 mm, and that the carrier or reservoir has a length/width of about 24 x 44 mm. Alternatively, the folded cleaning tissue may have a length/width of about 56 x 44 mm, whereas the carrier or reservoir may correspondingly may have a length/width of about 12 x 44 mm.

25

Another alternative would be that carrier or reservoir prepared with or containing scenting agent is made round, e.g. with a diameter of 12 mm, or elliptic, e.g. with a small circle diameter of about 12 mm and a large circle diameter of about 20 mm.

30

The "BorreliaKort" 32 shown in Figs. 4 and 5 is designed in a corner area 34 with an acutely angled slit or cut-out 36 adapted for use in removing a tick or similar insect that has bitten onto and bored down into the skin of a person or an animal, e.g. a dog.

5 The card 32 is by way of example printed with the following instructions on the front side:

STOP the TICK!

- Place the slit of the Borrelia card under the tick's abdomen as close to the skin as possible
- 10 • Push the card forward so that the tick is lifted out calmly and firmly
- Treat subsequently with chlorhexidine and possibly plaster

The disclosed slit or cut-out 36, which may end up in a circular hole, may alternatively, or as a supplement, also be provided at a short side of the card. The "BoireliaCard" will hereby act as a pre-stressed spring which by itself, after placing under and around the tick, will provide a certain pulling or elevation action on the tick so that it, including mouth parts, will be pulled or lifted off the skin. According to another alternative embodiment, the "BorreliaCard" may be designed with a hole with the shape as a keyhole or other suitable profile which makes it possible to move the card down over the tick and to wedge it in a narrowing of the hole.

At the back side of the card 32 (Fig. 5) there are two film covered fields, namely a field 38 in which is laid a disinfecting cleaning tissue 40 moistened with chlorhexidine, and a field 42 in which laid a piece of plaster 44.

25 A preferred embodiment of a "BorreliaCard" is shown in Fig. 6, where a corner area is provided with a flexible finger 4, which at an outer end 48 is provided with a slit or narrowing 50 for use in removing a tick or corresponding blood sucking insect. The flexible finger 46 contributes to optimising the function of the "BorreliaCard", so that one gets hold of the tick with certainty. Besides, the "BorreliaCard", shown in Fig. 6, is at another corner 52 provided with a supplementing lesser slit or narrowing 54.

The preferred embodiment of a "Borreliacard" shown in Fig. 6 is made of relatively thin plastic material which is preferably without printed instructions, as the "Borreliacard" in this form preferably is intended to be laid into a folded, card-like brochure or guidance for use, which is finally sealed in a transparent plastic packing, and which
5 furthermore may contain a number of individually packed cleaning tissues and/or a number of individually packed plasters.

According to a further alternative the said hygienic article of the device may be constituted by shaving accessories in the shape of a disposable razor, possibly made up of
10 several parts, and shaving cream or gel in the said reservoir and possibly after-shave lotion contained in said carrier or in a further reservoir.

According to a still further alternative, the device according to the invention may include restaurant accessories in the form of a number of reservoirs, by way of example
15 containing salt, pepper, toothpicks and possibly a piece of plate-shaped chewing gum for tooth cleaning.

According to a still further alternative, the device according to the invention may contain sewing accessories in the form of a number of reservoirs e.g. containing sewing
20 threads, sewing needles, buttons, safety pins etc.

According to a still further alternative, the device according to the invention may contain smoking accessories in the form of a number of reservoirs that by way of example
25 contain a number of matches and a pipe cleaner.

According to a still further alternative, the device according to the invention may include a reservoir containing at least one contraceptive. A further possibility would be that the device also contains medicine, particularly in the form of pills or tablets by
30 way of example head-ache pills or chewing tablets against sour stomach etc.

According to a still further alternative, the device according to the invention may be designed so that said hygienic article are constituted by anti-smoking articles in the

form of a number of nicotine plasters and/or preferably sheet-like nicotine chewing gum.

5 Finally, it is to be mentioned that the device in principle may contain quite different objects or article, such as screws, nails or sweets (confectionery).

CLAIMS

1. A device adapted for keeping in wallet, pocket, bag, or similar place, said device is designed as a credit card in size and preferably has a display surface intended for commercial use, *characterised* in, that said device is made of a relatively stiff material such as cardboard or plastic, and that said device in a corner area is provided with a flexible finger (46), which at an outer end (48) is provided with a slit or narrowing (50) for use in removing a tick or corresponding blood sucking insect, which has bitten on to and bored its snout down into the skin of a person or an animal.
2. A device according to claim 1, *characterised* in, that another corner area (52) is also provided with a mainly acute angled slit or narrowing (54) adapted for use in releasing a tick or a similar insect.
3. A device according to claims 1, *characterised* in, that it on one side has two film covered fields, namely a field (38) in which is laid a disinfecting tissue (40) and a field (42) in which is laid a plaster (44), and that said fields externally are covered by means of one or more cover film pieces consisting of preferably easily removable (peelable) plastic or metal film.
4. A device according to claim 3, *characterised* in that said tissue (40) has a size which is greater than that of the field (38), and that said cover films are provided with a corner or tongue section, which is not connected with the device, and which is intended for use in pulling off the cover films.

PATENT COOPERATION TREATY

PCT

NOTIFICATION OF THE RECORDING
OF A CHANGE(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

From the INTERNATIONAL BUREAU

To:

RECEIVED

- 7 JUL 2003 /13

PATRADE A/S

PATRADE A/S
Fredens Torv 3A
DK-8000 Aarhus C.
Denmark

Date of mailing (day/month/year) 16 June 2003 (16.06.03)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference P10170PCDK	
International application No. PCT/DK02/00598	International filing date (day/month/year) 13 September 2002 (13.09.02)

1. The following indications appeared on record concerning:

☐ the applicant☐ the inventor☐ the agent☐ the common representative

Name and Address

State of Nationality

State of Residence

Telephone No.

Facsimile No.

Teleprinter No.

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

☒ the person☒ the name☒ the address☐ the nationality☐ the residence

Name and Address

SAFECARD ApS
c/o Bjorn Bagger
Langkjaer 17
DK-8660 Skanderborg
Denmark

State of Nationality

DK

State of Residence

DK

Telephone No.

Facsimile No.

Teleprinter No.

3. Further observations, if necessary:

The person identified in box 2 should be added to the record as applicant for all designated states except the United States of America.

4. A copy of this notification has been sent to:

☒ the receiving Office☐ the International Searching Authority☒ the International Preliminary Examining Authority☐ the designated Offices concerned☒ the elected Offices concerned☐ other:The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Authorized officer

Marina BIARGE-THURRE

Facsimile No. (41-22) 740-1435

Telephone No. (41-22) 338 8373

005692776

PATENT COOPERATION TREATY

PCT

NOTIFICATION OF THE RECORDING
OF A CHANGE(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

From the INTERNATIONAL BUREAU

To:

RECEIVED

- 4 MAR. 2004 / 40
PATRADE A/SPATRADE A/S
Fredens Torv 3A
DK-8000 Aarhus C
Denmark

Date of mailing (day/month/year)

23 February 2004 (23.02.2004)

Applicant's or agent's file reference

P10170PCDK

IMPORTANT NOTIFICATION

International application No.

PCT/DK2002/000598

International filing date (day/month/year)

13 September 2002 (13.09.2002)

1. The following indications appeared on record concerning:



the applicant



the inventor



the agent



the common representative

Name and Address

KIRKEGAARD, Per
Græblingevej 13
DK-8660 Skanderborg
Denmark

State of Nationality

DK

State of Residence

DK

Telephone No.

Facsimile No.

Teleprinter No.

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:



the person



the name



the address



the nationality



the residence

Name and Address

State of Nationality

State of Residence

Telephone No.

Facsimile No.

Teleprinter No.

3. Further observations, if necessary:

Applicant/inventor Per Kirkegaard is now designated for US only.

4. A copy of this notification has been sent to:



the receiving Office



the International Searching Authority



the International Preliminary Examining Authority



the designated Offices concerned



the elected Offices concerned



other:

The International Bureau of WIPO
34, chemin des Colombettes
1211 Geneva 20, Switzerland

Authorized officer

Roberto PEREZ (Fax 338-71-30)

Facsimile No. (41-22) 338.71.30

Telephone No. (41-22) 338 8257

PATENT COOPERATION TREATY

PCT

NOTIFICATION OF THE RECORDING OF A CHANGE

(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

From the INTERNATIONAL BUREAU

To:

PATRADE A/S
Fredens Torv 3A
DK-8000 Aarhus C
Denmark

Date of mailing (day/month/year) 23 February 2004 (23.02.2004)	
Applicant's or agent's file reference P10170PCDK	IMPORTANT NOTIFICATION
International application No. PCT/DK2002/000598	International filing date (day/month/year) 13 September 2002 (13.09.2002)

1. The following indications appeared on record concerning:

☒ the applicant
 ☐ the inventor
 ☐ the agent
 ☐ the common representative

Name and Address

MADSEN, Lars
Jens Baggesensvej 11
DK-8660 Skanderborg
Denmark

State of Nationality

DK

State of Residence

DK

Telephone No.

Facsimile No.

Teleprinter No.

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

☐ the person
 ☐ the name
 ☐ the address
 ☐ the nationality
 ☐ the residence

Name and Address

State of Nationality

State of Residence

Telephone No.

Facsimile No.

Teleprinter No.

3. Further observations, if necessary:

Applicant Lars Madsen has been deleted from this application.

4. A copy of this notification has been sent to:

<input checked="" type="checkbox"/> the receiving Office <input type="checkbox"/> the International Searching Authority <input checked="" type="checkbox"/> the International Preliminary Examining Authority	<input type="checkbox"/> the designated Offices concerned <input checked="" type="checkbox"/> the elected Offices concerned <input checked="" type="checkbox"/> other: Lars Madsen
---	--

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No. (41-22) 338.71.30	Authorized officer <p style="text-align: right;">Roberto PEREZ (Fax 338-71-30)</p> Telephone No. (41-22) 338 8257
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